

Stylac™ AE510

Acrylonitrile Butadiene Styrene

Asahi Kasei Chemicals Corporation

Message:

Stylac™ AE510 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, or Europe. Primary characteristic: medium viscosity.

General Information			
Features	Medium Viscosity		
Uses	General Purpose		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	7.7	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	8.05	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	38.8	MPa	ISO 527-2/50
Flexural Modulus ¹	2750	MPa	ISO 178
Flexural Stress ²	66.7	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	79.9	°C	ISO 75-2/A
Vicat Softening Temperature	98.8	°C	ISO 306/B
CLTE - Flow	6.0E-5 to 7.0E-5	cm/cm/°C	ASTM D696
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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